

## WHAT IS CLAIMED IS:

1. A yarn end suction device of a loom, wherein a weft yarn (2a) carried by a beating motion is sucked and captured via a suction mouth (5) disposed near the outside of a weaving end, then the weft yarn (2a) is cut by a cutter (4) provided between the weaving end and the suction mouth (5), and thereafter, a weft yarn end portion (2b) is discharged to the exterior, said yarn end suction device (1) characterized in that
- 10 said suction mouth (5) has a suction port (7) that is formed so as to have a polygonal cross-sectional shape at its end portion, and one corner (8a) thereof is disposed so as to be directed toward the weaving end side.
- 15 2. A yarn end suction device of a loom, wherein a weft yarn (2a) carried by a beating motion is sucked and captured via a suction mouth (5) disposed near the outside of a weaving end, then the weft yarn (2a) is cut by a cutter (4) provided between the weaving end and the suction mouth (5), and thereafter, a weft yarn
- 20 end portion (2b) is discharged to the exterior, said yarn end suction device (1) characterized in that
- said suction mouth (5) is formed, at a portion of the inner circumference of an end portion of a suction port (7), with a recessed portion (8b) that is recessed outward from the center of
- 25 an opening, and said recessed portion (8b) is disposed so as to be

directed toward the weaving end side.

3. The yarn end suction device of a loom according to claim  
1 or 2, wherein a guide (6) having a control surface (14) extending  
5 in a beating direction for regulating the weft yarn (2a) carried by  
the beating motion is disposed between the weaving end and the  
cutter (4), and said suction mouth (5) is disposed in a position  
where the weft yarn (2a) having passed through the control  
surface (14) by the beating is bent, and sucked and captured.

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4. The yarn end suction device of a loom according to claim  
1 or 2, wherein said guide (6) is formed with a slit (14) that is  
opened in three directions including a front side confronting a reed  
(3), a warp side, and a side of the cutter (4) for cutting the weft  
15 yarn (2a) to thereby receive the beaten weft yarn (2a), and said  
control surface (14) is formed by said slit (14).